

## Product datasheet for **SC118855**

### FNTA (NM\_002027) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	FNTA (NM_002027) Human Untagged Clone
Tag:	Tag Free
Symbol:	FNTA
Synonyms:	FPTA; PGGT1A; PTAR2
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_002027, the custom clone sequence may differ by one or more nucleotides

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ATGGCGGCCACCCAGGGGTTCGGGGAGGCTGCGCAAGGGGGCGAGCCCGGGCAGCCGGCGCAACCCCGC
CCCAGCCGCACCCACCGCCGCCAGCAGCAGCACAAGGAAGAGATGGCGGCCGAGGCTGGGGAAGCCGT
GGCGTCCCCCATGGACGACGGGTTTGTGAGCCTGGACTCGCCCTCCTATGTCCTGTACAGGGACAGAGCA
GAATGGGCTGATATAGATCCGGTGCCGAGAATGATGGCCCAATCCCGTGGTCCAGATCATTTATAGTG
ACAAATTTAGAGATGTTTATGATTACTTCCGAGCTGTCTGCAGCGTGATGAAAGAAGTGAACGAGCTTT
TAAGCTAACCCGGGATGCTATTGAGTTAAATGCAGCCAATTATACAGTGTGGCATTTCGGAGAGTTCTT
TTGAAGTCACTTCAGAAGGATCTACATGAGGAAATGAACTACATCACTGCAATAATTGAGGAGCAGCCCA
AAAATATCAAGTTTGGCATCATAGGCGAGTATTAGTGAATGGCTAAGAGATCCATCTCAGGAGCTTGA
ATTTATTGCTGATATTCTTAATCAGGATGCAAAGAATTATCATGCCTGGCAGCATCGACAATGGGTATT
CAGGAATTTAACTTTGGGATAATGAGCTGCAATGATGTGGACCACTTCTGAAAGAGGATGTGAGAAATA
ACTCTGTCTGGAACCAAAGATACTTCGTTATTTCTAACACCAGTGGCTACAATGATCGTGTCTGATTGGA
GAGAGAAGTCCAATACACTCTGGAAATGATTAAGTACCACATAATGAAAGTGCATGGAAGTATTG
AAAGGGATTTTGCAGGATCGTGGTCTTTCCAAATATCCTAATCTGTTAAATCAATTACTTGATTTACAAC
CAAGTCATAGTTCACCTAATTGCCTTTCTTGTGGATATCTATGAAGACATGCTAGAAAATCAGTG
TGACAATAAGGAAGACATTCTTAATAAAGCATTAGAGTTATGTGAAATCCTAGCTAAAGAAAAGGACAT
ATAAGAAAGGAATATTGGAGATACATTGGAAGATCCCTTCAAAGCAAACACAGCACAGAAAATGACTCAC
CAACAAATGTACAGCAATAA
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<b>5' Read Nucleotide Sequence:</b>	<p>&gt;OriGene 5' read for NM_002027 unedited</p> <pre>TTCGAATTTGTATACGACTCCTATAGGCGGCCGCGNAATTCGCACGAGGGCGAGATGGCG GCCACCGAGGGGGTCTGGGGAGGCTGCGCAGGGGGCGAGCCGGGCGAGCCGGCGCAACCC CGCCCCAGCCGCACCCACCGCCGCCAGCAGCAGCACAAGGAAGAGATGGCGGCCGAGG CTGGGGAAGCCGTGGCGTCCCCATGGACGACGGGTTTGTGAGCCTGGACTCGCCCTCCT ATGTCCTGTACAGGGACAGAGCAGAATGGGCTGATATAGATCCGGTGCCGCAGAATGATG GCCCAATCCCCTGGTCCAGATCATTTATAGTGACAAATTTAGAGATGTTTATGATTACT TCCGAGCTGTCTGCAGCGTGATGAAAGAAGTGAACGAGCTTTTAAGCTAACCCGGGATG CTATTGAGTTAAATGCAGCCAATTATACAGTGTGGCATTTCGGGAGAGTTCTTTTGAAGT CACTTCAGAAGGATCTACATGAGGAAATGAACTACATCACTGCAATAATTGAGGAGCAGC CCAAAACTATCAAGTTTGGCATCATAGGCGAGTATTAGTGAATGGCTAAGAGATCCAT CTCAGGAGCTTGAATTTATTGCTGATATTCTTAATCAGGATGCAAAGAATTATCATGCTT GGCAGCATCGACAATGGGTTATTCAGGAATTTAACTTTGGGATAATGAGCTGCAGTATG TGGACCAACTTCTGAAAGAGGATGTGAGAAATAACTCTGTCTGGAACCAAAGATACTTCG TTATTTCTAACCACTGGCTACAATGATCGTGTGATTGGANAGAGAAAGTCCATACA CTCTGGNAATGATTAAACTAGTACCACATAATGGAAGTGCATGGAAGTATNTGAAAAGGG ATTTGCAGNATCGTGGTCTTCCAN</pre>
<b>3' Read Nucleotide Sequence:</b>	<p>&gt;OriGene 3' read for NM_002027 unedited</p> <pre>ATGGCAACTTCCAGTGCCAGNAAAGCACTGGGGAGGGGTCACAGGGATGCCACCCGGGAT CTGTTCCAGAAACAGCTATGACCGCGCCGCAATCTAGAGTCGAGTTTTTTTTTTTTTTTT TTTAGATACAGCTATAATTTTATTACAAAACCGTCTTTTGGCATTAGTTGGTTACAGTG ATAGCAAGATAATGTGAGTGTGCAGACCAGCTCTGATGGAACGACTGTATTCCCTGCTTA CTGAACCAAACCTCGGCTACCTCACATCCATTACATACAAGTGACCTGCAGTTATTACTG CTACAAATCTTGACGCATGTACCACTGAGGGAGGAGCTGATGCTAAGGGATTAGATTATA TGTTGATAAGACTACAAAAGTTCCTTTATGGGACTTTTTCTTCTCCTCCCATCCAATGA CTTTGCTTTAGAAGAATCACATTACTTAGAGCTAGTCTGAGTAGCAGCAGCACCCAAGGA GCATCAGTTCTTGTAAAAAGCAATACCTGTGTGATGCACTTTTACACCACAGGCAAAGG GAAGGACCACTCTCGTGTGAACTCCTGCAGGGTCCCTAATAAAAAAATAAAGCATTCC ATCAAGTCTTCTGGATGGTGTATTGCTGTACATTTGTTGGTGAGTCATTTTCTGTGCT GTGTTTGTCTTGAAGGGATCTTNNCATGTATCTNCAATATTCCTTTCTTATAGTGTCTT TTCTTTAGCTAGGATTTACATAACTCTAATGCTTTATTAAGAATGTCTTCTTTATTGC ACACTGATTTTCTAGCATGTCTTCATANTATCCACAAGAAAGCATTAGTAGGGGAACT TGACCTGGTTGTAATCAAGTAATGATTACAGATANGATTTTGAAGACCCATCTGC</pre>
<b>Restriction Sites:</b>	NotI-NotI
<b>ACCN:</b>	NM_002027
<b>Insert Size:</b>	1530 bp
<b>OTI Disclaimer:</b>	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
<b>Components:</b>	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_002027.2</a> , <a href="#">NP_002018.1</a>
<b>RefSeq Size:</b>	1710 bp
<b>RefSeq ORF:</b>	1140 bp
<b>Locus ID:</b>	2339
<b>UniProt ID:</b>	<a href="#">P49354</a>
<b>Cytogenetics:</b>	8p11.21
<b>Domains:</b>	PPTA
<b>Protein Families:</b>	Druggable Genome
<b>Gene Summary:</b>	<p>Prenyltransferases can attach either a farnesyl group or a geranylgeranyl group in thioether linkage to the cysteine residue of proteins with a C-terminal CAAX box. CAAX geranylgeranyltransferase and CAAX farnesyltransferase are heterodimers that share the same alpha subunit but have different beta subunits. This gene encodes the alpha subunit of these transferases. Alternative splicing results in multiple transcript variants. Related pseudogenes have been identified on chromosomes 11 and 13. [provided by RefSeq, May 2010]</p> <p>Transcript Variant: This variant (1) represents the longer transcript and encodes the functional protein.</p>